

## EAST Search History

| Ref # | Hits  | Search Query                                      | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| L1    | 2     | "20040053069".pn.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:33 |
| L2    | 42907 | anthracene or anthryl or anthracenyl              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:33 |
| L3    | 3364  | L2 near (substituted or based or derivative)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:41 |
| L4    | 826   | L3 and (light near emitting)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:34 |
| L5    | 702   | L4 and (anode or cathode or electrode)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 13:48 |
| L6    | 578   | L5 and (dopant or doped or guest)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:35 |
| L7    | 64    | L6 and (green near (luminescent or luminescence)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:40 |
| L8    | 299   | L3 same (dopant or doped or guest)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2005/12/22 12:40 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| L9  | 255  | L8 and (light near emitting)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:40 |
| L10 | 252  | L9 and (anode or cathode or electrode)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:40 |
| L11 | 14   | L10 and (green near (luminescent or luminescence))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:40 |
| L12 | 27   | L3 same (diphenylamine or diarylamine or arylamino)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:42 |
| L13 | 2229 | anthracene near derivative                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:44 |
| L14 | 15   | L13 near (amine or amino)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:44 |
| L15 | 2408 | (anthracene or anthryl or anthracenyl) near derivative | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:44 |
| L16 | 18   | L15 near (amine or amino)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:47 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| L17 | 2    | "20050123787".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:04 |
| L18 | 1    | "20050123787".pn. and (anthracene or anthryl or anthracenyl) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:48 |
| L19 | 1    | "20050123787".pn. and (dopant or doped or guest)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:58 |
| L20 | 2    | "6451455".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:58 |
| L21 | 2408 | (anthryl or anthracenyl or anthracene) near derivative       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:57 |
| L22 | 306  | L21 same (phosphorescent or guest or dopant or doped)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:57 |
| L23 | 265  | L22 and (light near emitting)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:58 |
| L24 | 262  | L23 and (anode or cathode or electrode)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:58 |

## EAST Search History

|     |      |   |   |     |    |                  |
|-----|------|---|---|-----|----|------------------|
| L25 | 0    | "6451455".pn. and L22                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:46 |
| L26 | 0    | "20050123787".pn. and L22                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 12:59 |
| L27 | 2    | "6413415".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:00 |
| L28 | 2    | "6458475".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:00 |
| L29 | 2    | "6573651".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:01 |
| L30 | 2    | "6097147".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:01 |
| L31 | 6569 | aryl near amine                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:04 |
| L32 | 102  | L31 same (phosphorescent or dopant or doped or guest) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:15 |

## EAST Search History

|     |     |                               |   |     |    |                  |
|-----|-----|-------------------------------|---|-----|----|------------------|
| L33 | 51  | L32 and host                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:11 |
| L34 | 50  | L33 and (light near emitting) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:05 |
| L35 | 37  | L34 and L21                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:06 |
| L36 | 0   | L32 same L21                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:06 |
| L37 | 5   | L31 same L21                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:07 |
| L38 | 291 | L21 same host                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:12 |
| L39 | 37  | L32 and L38                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:12 |
| L40 | 37  | L39 and (light near emitting) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:12 |

## EAST Search History

|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| L41 | 74  | L31 same (dopant or doped or guest)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:13 |
| L42 | 10  | L41 and L38  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:13 |
| L43 | 121 | L31 same (fluorescent or dopant or doped or guest) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:14 |
| L44 | 10  | L43 and L38  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:14 |
| L45 | 288 | L21 same (dopant or doped or guest)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:15 |
| L46 | 192 | L45 and L38  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:16 |
| L47 | 167 | L46 and green                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:22 |
| L48 | 18  | enokida.in. and anthracene                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:29 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| L49 | 1    | "5759444".pn. and (guest or dopant or phosphorescent or fluorescent) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:23 |
| L50 | 2    | "5935721".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:30 |
| L51 | 2    | "5935721".pn. and host   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:30 |
| L52 | 1    | "5935721".pn. and host and guest                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:31 |
| L53 | 3467 | aromatic near tertiary near amine                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:31 |
| L54 | 90   | L53 same (guest or doped or dopant)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:32 |
| L55 | 80   | L54 and (light near emitting)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:32 |
| L56 | 47   | L55 and L21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:39 |

## EAST Search History

|     |        |   |   |     |    |                  |
|-----|--------|---|---|-----|----|------------------|
| L57 | 4241   | (hole near (transporting or transport or transportation)) near material                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L58 | 3529   | (electron near (transporting or transport or transportation)) near material                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L59 | 5139   | L57 or L58  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:41 |
| L60 | 120258 | L59 or dopant or guest  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:41 |
| L61 | 342    | L60 same L21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:41 |
| L62 | 293    | L61 and (light near emitting)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:42 |
| L63 | 1      | "20050123787".pn. and L59   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:44 |
| L64 | 4754   | (hole near (transporting or transport or transportation)) near (material or property or capability) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |



## EAST Search History

|     |      |   |   |     |    |                  |
|-----|------|---|---|-----|----|------------------|
| L65 | 4231 | (electron near (transporting or transport or transportation)) near (material or property or capability) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L66 | 6033 | L64 or L65  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L67 | 11   | L66 same L22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L68 | 90   | L66 same L21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:43 |
| L69 | 1    | "20050123787".pn. and L66   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:44 |
| L70 | 2    | "6451455".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:46 |
| L71 | 557  | L66 and (anthracene near derivative)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:48 |
| L72 | 88   | L66 same (anthracene near derivative)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 13:55 |

## EAST Search History

|     |     |                                     |   |     |    |                  |
|-----|-----|-------------------------------------|---|-----|----|------------------|
| L73 | 1   | "5759444".pn. and green             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 15:10 |
| L74 | 114 | diaminoanthracene                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 14:04 |
| L75 | 17  | L74 and (light near emitting)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 14:05 |
| L76 | 1   | L74 same (dopant or guest or doped) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 14:06 |
| L77 | 24  | L74 and (dopant or guest or doped)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 14:14 |
| L78 | 2   | "20050064233".pn.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 14:14 |
| L79 | 2   | "6465115".pn.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/12/22 15:10 |